

Abstract

The invention relates to a method of producing rectifier parts which are made from a laminate composite material comprising reinforcing fibres that are embedded in a heat-polymerised polyimide resin matrix. The aforementioned parts comprise an inner platform, an outer platform and at least one solid blade which connects said platforms. The invention is characterised in that it comprises the following steps consisting in: a) producing the essential parts of the platforms, blades and the blade/platform connecting zones as separate structural elements, by stacking or winding layers of reinforcing fibres which have been impregnated with resin and which are used to form said structural elements, with the exception of the outer layers which form at least the boundary wall of the gas stream through the rectifier; b) imidizing separate structural elements; c) assembling said separate imidized structural elements; d) adding the outer layers of reinforcing fibres which have been impregnated with resin in order to form the part; e) placing the part thus produced in a mould/counter-mould employing compression polymerisation; and f) polymerising the part by subjecting same to compressive stresses.